

AMENDMENTS TO THE CLAIMS

Please cancel claims 72-136 without prejudice. Please amend claims 36, 41, 43, 49, and 62-64 as indicated below. Please add new claims 137-139.

Claims 1-35 (Cancelled)

B' 36. (Currently Amended) A communications card ~~following the PCMCIA Type III standard for dimensions and configuration, for use to be used~~ in a data utilization device and ~~for receiving to receive~~ an RJ-xx series plug having a biased clip including an engagement ridge, and ~~for making to make~~ electrical connection with at least first and second electrical contacts provided on ~~such a the~~ plug, wherein the communications card ~~includes comprising:~~

a recess in a face of the card ~~for receiving to receive a the~~ RJ-xx series plug, the recess being oriented such that ~~the a~~ direction the RJ-xx plug travels ~~when if~~ being inserted ~~into~~ the recess is substantially parallel to the two larger surfaces of the card ~~;~~, the recess including

a first and a second electrical conductors in the recess positioned such that they to make contact with the first and the second electrical electrical contacts respectively of an the RJ-xx plug when such a if the plug is received in the recess ; and wherein

a channel is ~~formed~~ in a wall of the recess to hold the biased clip of ~~an the~~ RJ-xx plug ~~if the plug is~~ received in the recess, the channel including an edge ~~for engaging to engage~~ the engagement ridge of the clip of ~~the an~~ RJ-xx series plug ;

wherein the communication card has a dimension and a configuration that follow the PCMCIA Type III standard.

37. (Previously Added) The communications card of claim 36, wherein the channel is a T-shaped channel.
38. (Previously Added) The communications card of claim 37, wherein the T- shaped channel includes a first channel portion running from the face of the card in which the recess is located in a direction substantially perpendicular said face, for receiving the arm of the clip of an RJ-xx series plug and a second channel portion substantially perpendicular to the first channel portion, said second channel portion including the edge for engaging the engagement ridge of the clip of an RJ-xx series plug.
39. (Previously Added) The communications card of claim 36, wherein the channel formed in the wall of the recess extends through an outer surface of the communications card to form an opening.
40. (Previously Added) The communications card of claim 39, further comprising a cover overlying the opening formed where the channel extends through an outer surface of the communications card.
41. (Currently Amended) ~~A communications card for use to be used~~ in a data utilization device and ~~for receiving~~ to receive an RJ-xx series plug having a biased clip and ~~for making~~ to make electrical connection with at least first and second electrical contacts provided on the plug, the communications card comprising:
- ~~a communications card with~~ a height and a length compliant with the PCMCIA standards for a Type III card;
- a first surface, the first surface forming an outer surface of the card;

a first end;

a first recess means provided at the first end, the first recess means having dimensions such that the plug is closely received therein, the recess means being oriented such that ~~the~~ a direction the RJ-xx series plug travels ~~when being~~ if inserted into the recess means is substantially parallel to the first surface and substantially perpendicular to the first end;

a first electrical conductor provided in the first recess means, the first electrical conductor being positioned ~~such that it makes to make~~ to make electrical continuity with ~~a~~ the first electrical contact ~~in the plug when~~ if the plug is received by the first recess means;

a second electrical conductor provided in the first recess means, the second electrical conductor being positioned ~~such that it makes to make~~ to make electrical continuity with ~~a~~ the second electrical contact ~~in the plug when~~ if the plug is received by the first recess means;

a conductor to convey an means for conveying any electrical signal present on the first and the second electrical contacts to the data utilization device ~~communications card~~; and

a first biased clip receiving structure adjacent to the first recess means, the first biased clip receiving structure shaped to receive the biased clip ~~when~~ if the RJ plug is inserted into the recess means and ~~functioning~~ to hold the biased clip and the plug in operative engagement in the first recess means.

42. (Previously Added) The communications card of claim 41, wherein the communications card complies with PCMCIA standards for a Type III card.

43. (Currently Amended) The communications card of claim 41, wherein the biased clip receiving structure further comprises a first cutout formed on a wall of the recess means.
44. (Previously Added) The communications card of claim 43, wherein the first cutout formed in the wall of the recess extends through the first surface of the communications card to form an opening.
45. (Previously Added) The communications card of claim 44, further comprising a cover overlying the opening formed where the cutout extends through a first surface of the communications card.
46. (Previously Added) The communications card of claim 45, wherein the cover has a thickness from about 0.001 inch to about 0.050 inches.
47. (Previously Added) The communications card of claim 45, further comprising the cover being constructed from an elastic material.
48. (Previously Added) The communications card of claim 45, further comprising the cover straddling the entire first surface of the communications card.
49. (Currently Amended) The communications card of claim 41, further comprising:
a second surface, the second surface being substantially parallel to the first surface and forming upper and lower surfaces of the communications card;
second recess means provided at the first end, the second recess means having dimensions such that a second RJ-xx plug is closely received therein, the second recess means being oriented such that the plug is received therein both between and parallel to the first and second surfaces;

a third electrical conductor provided in the second recess means, the third electrical conductor being positioned such that it makes electrical continuity with a first electrical contact in the second plug when the second plug is received by the second recess means;

a fourth electrical conductor provided in the second recess means, the fourth electrical conductor being positioned such that it makes electrical continuity with a second electrical contact in the plug when the plug is received by the second recess means;

means for conveying ~~any~~ an electrical signal present on the first and second electrical contacts to the communications card; and

a second biased clip receiving structure adjacent to the second recess means, the second biased clip receiving structure shaped to receive the biased clip when the RJ plug is inserted into the second recess means.

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50. (Previously Added) The communications card of claim 49, wherein the second biased clip receiving structure further comprises a cutout formed on a wall of the second recess means.
51. (Previously Added) The communications card of claim 50, wherein the cutout formed in the wall of the second recess means extends through the first surface of the communications card to form an opening.
52. (Previously Added) The communications card of claim 51, further comprising:
a cover attached to the first surface, wherein the cover overlies the cutout.
53. (Previously Added) The communications card of claim 52, wherein the cover has a thickness from about 0.001 inch to about 0.050 inches.

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54. (Previously Added) The communications card of claim 52, further comprising the cover being constructed from an elastic material.

55. (Previously Added) The communications card of claim 52, further comprising the cover straddling the entire first surface of the communications card.

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56. (Previously Added) The communications card of claim 52, further comprising a connector located on the first end, the connector adapted for communicatively connecting to a cable.

57. (Previously Added) The communications card of claim 56, further comprising a connector adapted for communicatively connecting to a cellular phone.

58. (Previously Added) The communications card of claim 41, wherein the first surface is substantially planar and is selected from the group consisting of a top surface, a bottom surface, a first side surface, and a second side surface.

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59. (Previously Added) The communications card of claim 49, wherein the second surface is an exterior surface of the communications card.

60. (Previously Added) The communications card of claim 41, further comprising a connector located on the first end, the connector adapted for communicatively connecting to a cable.

61. (Previously Added) The communications card of claim 60, further comprising a connector adapted for communicatively connecting to a cellular phone.

62. (Currently Amended) A communications card, ~~complying with the PCMCIA Type III standards,~~ to be used for use in a data utilization device and to receive for receiving an RJ-xx series plug and to make for making electrical connection with

at least first and second electrical contacts provided on the plug, the communications card comprising:

a first surface;

a second surface;

a first end;

first recess ~~means~~ provided at the first end, the first recess ~~means~~ having dimensions such that the plug is closely received therein, the first recess ~~means~~ oriented such that the plug is inserted therein in a direction perpendicular to the first end;

a first electrical conductor provided in the first recess ~~means~~, the first electrical conductor being positioned ~~such that it makes to make~~ to make electrical continuity with ~~a the first electrical contact in the plug when if~~ the plug is received by the first recess ~~means~~;

a second electrical conductor provided in the first recess ~~means~~, the second electrical conductor being positioned ~~such that it makes to make~~ to make electrical continuity with ~~a the second electrical contact in the plug when if~~ the plug is received by the first recess ~~means~~; and

a conductor to convey an ~~means for conveying any~~ electrical signal present on the first and second electrical contacts to the communications card;

wherein the communications card complies with the PCMCIA Type III standards.

63. (Currently Amended) The communications card of claim 62, further comprising:

second recess means provided at the first end, the second recess means having dimensions such that the plug is closely received therein, the second recess means oriented such that the plug is inserted therein in a direction perpendicular to the first end;

a third electrical conductor provided in the second recess means, the third electrical conductor being positioned such that it makes electrical continuity with a first electrical contact in the plug when the plug is received by the second recess means;

a fourth electrical conductor provided in the second recess means, the fourth electrical conductor being positioned such that it makes electrical continuity with a second electrical contact in the plug when the plug is received by the second recess means; and

means for conveying any an electrical signal present on the first and second electrical contacts to the communications card.

64. (Currently Amended) A device for use to be used in a host system having a PCMCIA Type III standard slot, ~~the device being adapted to connect the device to an information transfer system, the device comprising:~~

a housing having longitudinal sides, a front end and a rear portion, at least the rear portion of the housing having a thickness conforming substantially to a thickness of the PCMCIA Type III standard;

a connector at the front end of the housing adapted to be received by a corresponding connector within the slot of the host system, the connector being

electrically connected to a first conductor to convey an ~~means for conveying any~~ electrical signal present on the corresponding connector to the device;

at least one receptacle, the at least one receptacle being defined at the rear portion of the housing, the at least one receptacle being sized and configured to receive an RJ-type plug ~~which is~~ if the plug is inserted into the at least one receptacle in a direction substantially perpendicular to the front end;

~~and the at least one receptacle including a plurality of contacts, a plurality of contact wires being located in the at least one receptacle, each of said the contact wires being shaped and positioned for engagement with to engage a~~
corresponding contact on the RJ-type plug, the contacts on the RJ-type plug ~~being adapted to engage the contact wires in the at least one receptacle when if the plug is inserted into the receptacle, each of said the contact wires being electrically connected to a second conductor to convey an means for conveying any electrical signal present on the electrical contacts to the device, wherein the device is adapted to be directly connectable to the information transfer system utilizing the RJ-type plug.~~

65. (Previously Added) A device as defined in claim 64, further comprising a rear end included in the rear portion, and in which:

the front end and rear ends are transverse front and rear ends and the housing has an overall length extending between the transverse front and rear ends, said overall length conforming to the PCMCIA length standard.

66. (Previously Added) A device as defined in claim 64, further comprising:
a second receptacle, the second receptacle including a plurality of contact wires extending into the second receptacle, each contact wire shaped and positioned for engagement with a corresponding contact on a second RJ-type plug.
67. (Previously Added) A device as defined in claim 66, in which:
the second receptacle is sized and configured to receive an RJ-type plug.
68. (Previously Added) A device as defined in claim 67, wherein:
the second receptacle is sized and configured to receive an RJ-11 plug.
69. (Previously Added) A device as defined in claim 68, wherein:
the second receptacle is sized and configured to receive an RJ-45 plug.
70. (Previously Added) A device as defined in claim 64, further comprising a telecommunications connector located on the rear end of the device, the telecommunications connector configured to be connected to a portable telephone.
71. (Previously Added) A device as defined in claim 70, wherein the telecommunications connector is configured to be connected to the portable telephone using an interconnecting cable.

Claims 72-136 (Cancelled)

137. (New) A lap top comprising a flash memory and a PCMCIA slot containing a communications card, the communication card to receive an RJ-xx series plug having a biased clip including an engagement ridge, and to make electrical

connection with at least first and second electrical contacts provided on the plug,
the communications card comprising:

a recess in a face of the card to receive the RJ-xx series plug, the recess being
oriented such that a direction the RJ-xx plug travels if being inserted into the
recess is substantially parallel to two larger surfaces of the card;

a first and a second electrical conductors in the recess positioned to make contact
with the first and the second electrical contacts respectively of the RJ-xx plug if
the plug is received in the recess;

a channel in a wall of the recess to hold the biased clip of the RJ-xx plug if the
plug is received in the recess, the channel including an edge to engage the
engagement ridge of the clip of the RJ-xx series plug;

wherein the communication card has a dimension and a configuration that follow
the PCMCIA Type III standard.

138. (New) The lap top of claim 137, wherein the lap top comprises a note book sized
lap top.
139. (New) The lap top of claim 138, further comprising an expansion card.